BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work:-Improvements & Construction of CC road & drain at Krishne gowda Layout Ragavendra Nursing home back side 1st, 2nd & 3rd cross road in Dasarahalli Ward No 15

			Est. Cost Rs				19.85	Lakhs	
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-2. Earthwork excavation by manual means in **hard soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.138/I.19.2 PW, P & IWTD - SR 2014-15)	Cum							
	Drain								
	NH-4 to Krishne gowda Layout 1st cross		2	95.00	0.55	0.30	31.35		
	2nd cross		1	40.00	0.55	0.30	6.60		
	3rd cross		2	132.00	0.55	0.30	43.56		
			1	26.00	0.55	0.30	4.29		
			2	60.00	0.55	0.30	19.80		
	Basic Rate	98.00					**105.57**	105.84	**11174.00**
	Add Area Weightage 8%	7.84							
	Total	**105.84**							
2	**Removing B.S.Slab** of drain and stacking etc., complete Page No. 25/ Item No. 5.32/ PWD SR 2014-15	**Sqm**							
	Drain								
	NH-4 to Krishne gowda Layout 1st cross		2	95.00	1.45	_	275.50		
	2nd cross		1	40.00	1.45	_	58.00		
	3rd cross		2	132.00	1.45	_	382.80		
			1	26.00	1.45		37.70		
			2	60.00	1.45		174.00		
			1	7.20	1.45		10.44		
	Basic Rate	54.00					**938.40**	58.32	**54727.00**
	Add Area Weightage 8%	4.32							
	Total	**58.32**							
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @180 kgs, with **40mm and** down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PWD - SR 2014-15)	Cum							
	Drain								
	NH-4 to Krishne gowda Layout 1st cross		2	95.00	0.55	0.15	15.68		
	2nd cross		1	40.00	0.55	0.15	3.30		
	3rd cross		2	132.00	0.55	0.15	21.78		
			1	26.00	0.55	0.15	2.15		
			2	60.00	0.55	0.15	9.90		
	Basic Rate	4488.00					**52.79**	4757.28	**251137.00**
	Add Area Weightage 6%	269.28							
	Total	**4757.28**							

4	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix **M1:2:4 with** cement @240 kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.[illegible]9cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6) PW, P & IWTD - SR 2014-15)	Cum							
	Drain								
	NH-4 to Krishne gowda Layout 1st cross		2	95.00	0.55	0.10	10.45		
	2nd cross		1	40.00	0.55	0.10	2.20		
	3rd cross		2	132.00	0.55	0.10	14.52		
			1	26.00	0.55	0.10	1.43		
	Basic Rate	4933.00	2	60.00	0.55	0.10	6.60		
	Add Area Weightage 6%	295.98					**35.19**	5228.98	**184008.00**
	Total	**5228.98**							
5	**Refixing stone slabs** of drains and pointing in CM 1:3 etc complete Page No. 25/ Item No.5.33/ PWD SR 2014-15	**Sqm**							
		Qty Vide Item No 02					938.40		
		60% Qty of Wide Iteam No 02					**563.04**	75.60	**42566.00**
	Basic Rate	70.00							
	Add Area Weightage 8%	5.60							
	Total	**75.60**							
6	**Providing Granite slabs** selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 7.5 thick (P. 27 I. 5.31.1) Page No. 25/ Item No. 5.31.1/ PWD SR 2014-15	**Sqm**							
	Qty Vide Iteam No 2-5	**1136.80-682.08**					375.36		
	Basic Rate	592.00					**375.36**	639.36	**239990.00**
	Area Weightage 8%	47.36							
	Total	**639.36**							
7	KSRB 5-14 : Providing and constructing precast **concrete solid blocks** with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size **40x20x20** cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. 25/ Item No. 5.27/ PWD SR 2014-15**	**Sqm**							
	NH-4 to Krishne gowda Layout 1st cross		2x2	95.00	_	0.15	57.00		
	2nd cross		1x1	40.00	_	0.20	16.00		
	3rd cross		2x2	132.00	_	0.20	105.60		
			1x1	26.00		0.20	10.40		
	Basic Rate	920.00	2x2	60.00		0.20	48.00		
	Add Area Weightage 8%	73.60					**234.60**	993.60	**233099.00**
	Total	**993.60**							
8	Supplying and fixing **precast rainforced** concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.	Sqm							
	NH-4 to Krishne gowda Layout 1st cross		2	95.00	0.90	_	171.00		
	2nd cross		1	40.00	0.90	_	36.00		
	3rd cross		2	132.00	0.90	_	237.60		
			1	26.00	1.20	_	31.20		
			2	60.00	0.90	_	108.00		
			1	3.60	0.75		2.70		
	Data Rates Approved by CE DZ enclosed						**586.50**	1600.00	**938400.00**

9	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.00 (P.136 Table) SR 2014-15	Cum							(7)
			Qty Vide Item No. 1				105.57	78.24	8260.00
	Loading and Unloading Charges	62.20							
	Lead 4 KMs 2x1.28x4	10.24							
		72.44							
	Area Weightage @ 8%	5.80							
	Total	**78.24**							
10	Quality Control Test Charges= 1%								19850.00
									1813.00
11	Miscellaneous and UnforessenCharges								
								Total	1985000.00
(Rupees. Ninteen Lakhs Eighty Five Thousand Only)									

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2014-15
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward-15

Assistant Executive Engineer
T. Dasarahalli Sub-Division

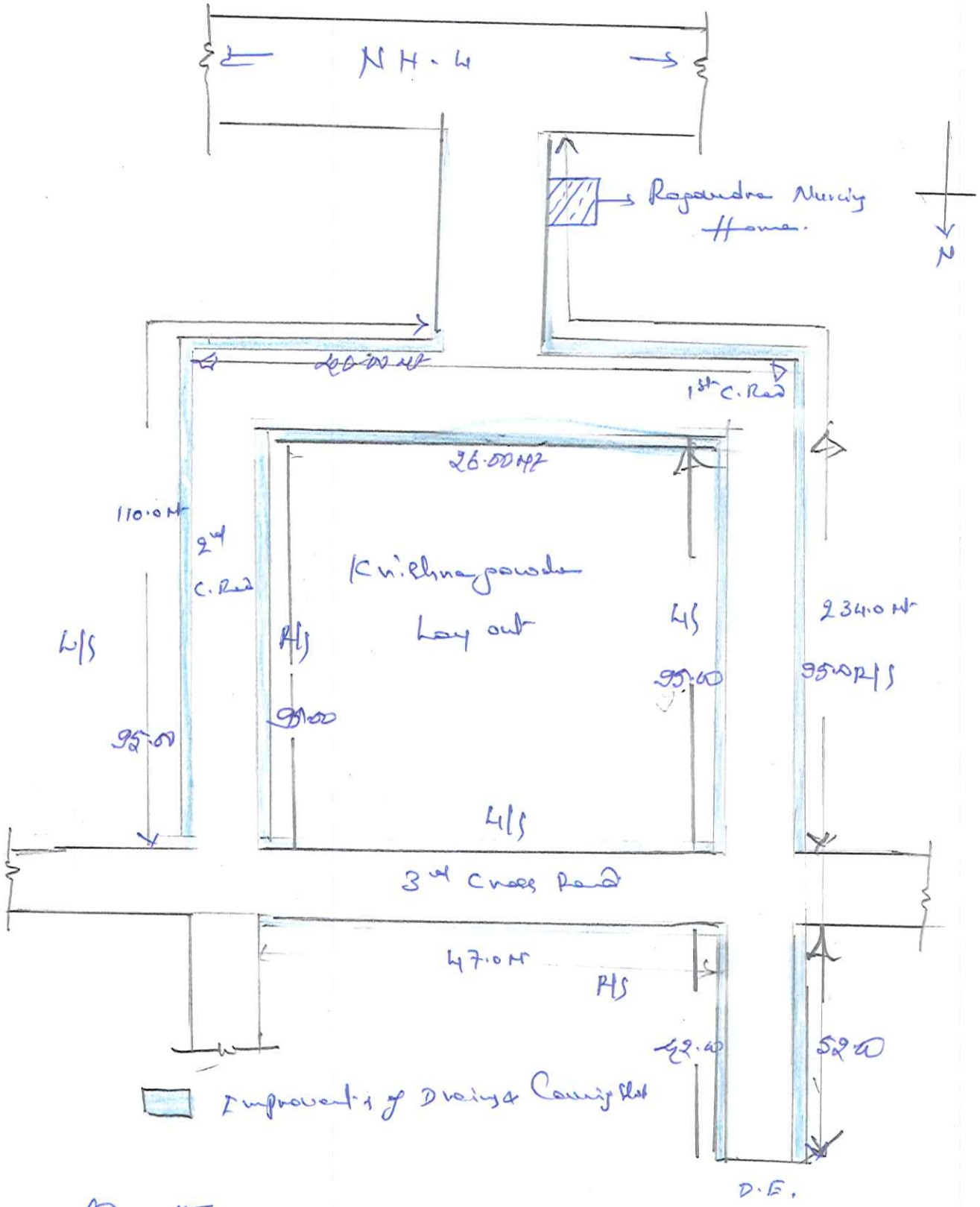
Executive Engineer
Dasarahalli Division

JNC-015-15-000007

ನಂ. CE/DD/AS/67/14-15 ದಿನಾಂಕ : 29/10/2014
ರೂ. 19,85,000/- (ರೂ. ಹತ್ತೊಂಬತ್ತು ಲಕ್ಷ ಎಂಬತ್ತೈದು ಸಾವಿರ)
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಲಾಗಿದೆ
29/10/14
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CE/DD/AS/88/14-15 ದಿನಾಂಕ : 29/10/2014
ರೂ. 19.85. Lakhs (Rupees Ninteen lakhs eighty five thousand only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
29/10

Name of work:- Improvement & Construction of C.C. Road & Drain at Krishnagowda Layout Ragavendra Nursing Home Back Side 1st, 2nd, 3rd C.R Doddakalli ward. 15



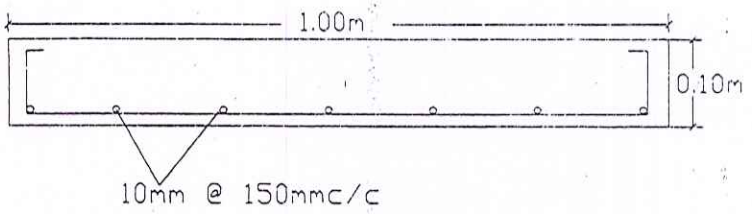
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಟಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಶಾಗಲಗುಂಟೆ, ಬೆಂಗಳೂರು - 560 073

(4)

-:DATA RATE:-

Providing & Laying Reinforced cement precast slabs of mix M20 Using 20mm & down size graded granite metal using HYSD 10mm dia steel @150mm c/c both ways & complete as per specfications.

Rate Analysis for 1.0Sqm of R.C.C Precast of 0.10m Thick by Using PW,P&IWTD SR 2012-13



1).Steel Qty= 1x7x1.10=7.70m
= 1x7x0.90=6.30m
Tota=14.00m
=14.00x0.62kgs/m =8.68kgs

Cost of Steel including Fabrications
(P-19/I-4.46,SR 2012-13)=(Rs 71.89/Kgs)=8.68x71.89=Rs.624.00

2).Cost of Concrete Qty= 1.00x1.00x0.10=0.10Cum
(P-13/I-4.11,SR 2012-13)=(Rs.5142.06/Cum)=0.10x5142.06=Rs514.20

3).Cost of Centring work Qty=Slab bottom= 1.10x1.10=1.21Sqm
Alround Slab= 4.00x0.15=0.60Sqm
Total=1.81Sqm

(P-16/I-4.28,SR 2012-13 =1.81x254.40=Rs.460.46

Total=Rs.1598.66

The Cost of precast Slab is Say Rs.1600/Sqm.

AE
Wno.14

AE
Wno.15

Assist. Executive Engineer
T.Dasarahalli Sub Division
BBMP Bangalore.

Executive Engineer
Dasarahalli Division
BBMP Bangalore.